

FIG. 1A

FIG. 1B

**FIG. 1C**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
						LEFT	RIGHT	LEFT	RIGHT
EOT	4	04	32	0 0 0 0 0 1 0 0	r	1 - - - -	9 - - - -	- - - -	- - - -
ä	132	84	33	1 0 0 0 0 1 0 0	ä	1 - 4 - -	9 - 4 - -	- - - -	- - - -
D	68	44	34	0 1 0 0 0 1 0 0	D	1 4 - - -	9 - 4 - -	- - - -	- - - -
-	196	C4	35	1 1 0 0 0 0 1 0 0	-	1 4 - - -	9 - 4 - -	- - - -	- - - -
\$	36	24	36	0 1 0 1 0 0 1 0 0	\$	1 - 7 - -	9 - 7 - -	- - - -	- - - -
ñ	164	A4	37	1 0 1 0 0 1 0 0	ñ	1 - 4 7 -	9 - 4 7 -	- - - -	- - - -
d	100	64	38	0 1 1 0 0 0 1 0 0	v	1 4 7 - *	9 - 9 - -	- - - -	- - - -
Σ	228	E4	39	1 1 1 0 0 0 1 0 0	Σ	1 4 7 - *	9 - 9 - -	- - - -	- - - -
20	14	40	40	0 0 0 1 0 1 0 0 0	p	1 - - - *	9 - - - *	- - - -	- - - -
ö	148	94	41	0 1 0 0 1 0 1 0 0	ö	1 - 4 - *	9 - 9 - -	- - - -	- - - -
T	84	54	42	0 1 0 1 0 1 0 0 0	S	1 4 - - *	9 - 9 - -	- - - -	- - - -
L	212	D4	43	1 1 0 1 0 1 0 0 0	Reset	1 4 - - *	9 - 9 - -	- - - -	- - - -
4	52	34	44	0 0 1 1 0 1 0 0 0	BEL	1 - 7 * -	9 - 9 - -	- - - -	- - - -
180	B4	45	45	0 1 0 1 1 0 1 0 0	GOTO	1 - 7 * -	9 - 9 - -	- - - -	- - - -
t	116	74	46	0 1 1 1 0 1 0 0 0	MOVE	1 4 7 * -	9 - 9 - -	- - - -	- - - -
F4	244	F4	47	1 1 1 1 0 1 0 0 0	Control	1 4 7 * -	9 - 9 - -	- - - -	- - - -

**FIG. 1D**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
FF	12	0C	48	0 0 0 0 1 1 0 0	Break	1 - - - -	# 9 - - -	- - - -	- - - -
í	140	8C	49	1 0 0 0 0 1 1 0 0	R	1 - 4 - -	# 9 - - -	- - - -	- - - -
L	76	4C	50	0 1 0 0 1 1 0 0	L	1 4 - - -	# 9 - - -	- - - -	- - - -
¶	204	CC	51	1 1 0 0 1 1 0 0	€	1 - 7 - -	# 9 - - -	- - - -	- - - -
·	44	2C	52	0 1 0 1 0 1 1 0 0	F	1 - 7 - -	# 9 - - -	- - - -	- - - -
½	172	AC	53	0 1 0 1 0 1 1 0 0	×	1 - 7 - -	# 9 - - -	- - - -	- - - -
-	108	6C	54	0 1 1 0 1 1 0 1 0 0	÷	1 - 4 7 -	# 9 - - -	- - - -	- - - -
∞	236	EC	55	1 1 1 0 1 1 0 1 0 0	■	1 4 7 - *	# 9 - - -	- - - -	- - - -
FS	28	1C	56	0 0 0 1 1 1 0 0 0	B	1 - - - *	# 9 - - -	- - - -	- - - -
£	156	9C	57	1 0 0 1 1 1 0 0 0	Z	1 - 4 - *	# 9 - - -	- - - -	- - - -
¥	92	5C	58	0 1 0 1 1 1 0 0 0	±	1 - 4 - *	# 9 - - -	- - - -	- - - -
—	220	DC	59	1 1 0 1 1 1 0 0 0	PF	1 - 7 * -	# 9 - - -	- - - -	- - - -
■ <	60	3C	60	0 0 1 1 1 1 0 0 0	■	1 - 7 * -	# 9 - - -	- - - -	- - - -
—   —	188	BC	61	1 0 1 1 1 1 0 0 0	1	1 4 7 * -	# 9 - - -	- - - -	- - - -
— —	124	7C	62	0 1 1 1 1 1 0 0 0	1	1 4 7 * -	# 9 - - -	- - - -	- - - -
— — —	252	FC	63	1 1 1 1 1 1 0 0 0	Left	1 4 7 * -	# 9 - - -	- - - -	- - - -

FIG. 1E

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
STX	02	64	0	0 0 0 0 0 0 1 0	1	1 - - - - - - - -	S - - - - - - - -	K -	M - - - - - - - -
€	130	82	65	1 0 0 0 0 0 1 0	s	1 - 4 - - - - - -	D - - - - - - - -	K -	M - - - - - - - -
B	66	42	66	0 1 0 0 0 0 1 0	m	1 - 4 - - - - - -	S D - - - - - - - -	K -	M - - - - - - - -
T	194	C2	67	1 1 0 0 0 0 1 0	€	1 - 4 - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
¶	34	22	68	0 1 0 1 0 0 1 0	g	1 - 7 - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
6	162	A2	69	1 0 1 0 0 0 1 0	1	1 - 7 - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
b	98	62	70	0 1 1 0 0 0 1 0	W	1 - 4 7 - - - - -	S D F - - - - - -	K -	M - - - - - - - -
Γ	226	E2	71	1 1 1 0 0 0 1 0	W	1 - 4 7 - - - - -	S D F - - - - - -	K -	M - - - - - - - -
DC2	18	12	72	0 0 0 1 0 0 1 0	c	1 - - - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
Æ	146	92	73	1 0 0 1 0 0 1 0	Γ	1 - - - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
R	82	52	74	0 1 0 1 0 0 1 0	l	1 - 4 - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
¶	210	D2	75	1 1 0 1 0 0 1 0	l	1 - 4 - - - - - -	S D F - - - - - -	K -	M - - - - - - - -
50	32	76	0 0 1 1 0 0 1 0	l	1 - 7 - * - - - -	S D F - - - - - -	K -	M - - - - - - - -	
178	B2	77	1 0 1 1 0 0 1 0	l	1 - 7 - * - - - -	S D F - - - - - -	K -	M - - - - - - - -	
£	114	72	78	0 1 1 1 0 0 1 0	HT	1 - 4 7 - * - - -	S D F - - - - - -	K -	M - - - - - - - -
£	79	F2	242	1 1 1 1 0 0 1 0	VT	1 - 4 7 - * - - -	S D F - - - - - -	K -	M - - - - - - - -

FIG. 1F

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
LF	10	0A	80	0 0 0 0 1 0 1 0	)	1 - - - - - - - -	S - - - - - - - -	K -	M - - - - - - - -
€	138	8A	81	1 0 0 0 1 0 1 0	S	1 - 4 - - - - - -	D - - - - - - - -	K -	M - - - - - - - -
Ј	74	4A	82	0 1 0 0 1 0 1 0	M	1 - 4 - - - - - -	S D - - - - - - - -	K -	M - - - - - - - -
Ј	202	CA	83	1 1 0 0 1 0 1 0	G	1 - 4 - - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
*	42	2A	84	0 0 1 0 1 0 1 0	SOH	1 - 7 - - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
*	170	AA	85	0 1 0 1 1 0 1 0	W	1 - 4 7 - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	106	6A	86	0 1 1 0 1 0 1 0	STX	1 - 4 7 - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
Q	234	EA	87	1 1 1 0 1 0 1 0	C	1 - - - - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
SUB	26	1A	88	0 0 0 1 1 0 1 0	ETX	1 - - - - - - - -	S D F - - - - - - -	K -	M - - - - - - - -
Ó	154	9A	89	0 0 0 1 1 0 1 0	EOT	1 - 4 - * - - - -	S D F - - - - - - -	K -	M - - - - - - - -
Z	90	5A	90	0 1 0 1 1 0 1 0	ETB	1 - 4 - * - - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	218	DA	91	1 1 1 0 1 1 0 1 0	EM	1 - 7 - * - - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	58	3A	92	0 0 1 1 1 0 1 0 1 0	GS	1 - 7 - * - - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	186	BA	93	0 1 1 1 1 0 1 0 1 0	END	1 - 4 7 - * - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	122	7A	94	0 1 1 1 1 0 1 0 1 0	CAN	1 - 4 7 - * - - -	S D F - - - - - - -	K -	M - - - - - - - -
¶	250	FA	95	1 1 1 1 1 0 1 0 1 0					

**FIG. 1G**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
ACK	6	06	96	0 0 0 0 0 0 1 1 0	:	7	—	— M —	— M —
à	134	86	97	1 0 0 0 0 0 1 1 0	p	7	—	— M —	— M —
F	70	46	98	0 1 0 0 0 0 1 1 0	j	7	—	— M —	— M —
!	198	C6	99	1 1 0 0 0 0 1 1 0	%	7	—	— M —	— M —
g	38	26	100	0 0 1 0 0 0 1 1 0	Print Line	7	—	— M —	— M —
à	166	A6	101	1 0 1 0 0 0 1 1 0	Copy	7	—	— M —	— M —
f	102	66	102	0 1 1 0 0 0 1 1 0	à	7	—	— M —	— M —
h	230	E6	103	1 1 1 0 0 0 1 1 0	à	7	—	— M —	— M —
SYN	22	16	104	0 0 0 1 0 0 1 1 0	ü	7	—	— M —	— M —
q	150	96	105	1 0 0 1 0 0 1 1 0	Print	7	—	— M —	— M —
v	86	56	106	0 1 0 1 0 0 1 1 0	é	7	—	— M —	— M —
F	214	D6	107	1 1 0 1 0 0 1 1 0	Print Screen	7	—	— M —	— M —
6	54	36	108	0 0 1 1 0 0 1 1 0	—	7	—	— M —	— M —
!	182	B6	109	1 0 1 1 0 0 1 1 0	—	7	—	— M —	— M —
v	118	76	110	0 1 1 1 0 0 1 1 0	ö	7	—	— M —	— M —
+	246	F6	111	1 1 1 1 0 0 1 1 0	HOME	7	—	— M —	— M —

**FIG. 1H**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
SO	14	0E	112	0 0 0 0 1 1 1 0	?	7	—	— M —	— M —
À	142	8E	113	0 1 0 0 0 1 1 1 0	P	7	—	— M —	— M —
N	78	4E	114	0 1 0 0 1 1 1 0	J	7	—	— M —	— M —
!	206	CE	115	1 1 0 0 1 1 1 0	£	7	—	— M —	— M —
#	46	2E	116	0 0 1 0 1 1 1 0	ENQ	7	—	— M —	— M —
·	174	AE	117	1 0 1 0 1 1 1 0	—	7	—	— M —	— M —
«	110	6E	118	0 1 1 0 1 1 1 0	NAK	7	—	— M —	— M —
n	238	EE	119	1 1 1 0 1 1 1 0	■	7	—	— M —	— M —
£	30	1E	120	0 0 0 1 1 1 1 0	A	7	—	— M —	— M —
RS	158	9E	121	1 0 0 1 1 1 1 0	void	7	—	— M —	— M —
P	94	5E	122	0 1 0 1 1 1 1 0	SYN	7	—	— M —	— M —
^	222	DE	123	0 0 1 1 1 1 1 0	void	7	—	— M —	— M —
»	62	3E	124	0 0 1 1 1 1 1 0	»	7	—	— M —	— M —
>	190	BE	125	0 1 1 1 1 1 1 0	≡	7	—	— M —	— M —
—	126	7E	126	0 1 1 1 1 1 1 0	LF	7	—	— M —	— M —
~	254	FE	127	1 1 1 1 1 1 1 0	HELP	7	—	— M —	— M —

**FIG. 11**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille
SOH	01	128	0 0 0 0 0 0 0 1	'	1	LEFT	3	LEFT	R
Ü	129	81	129	1 0 0 0 0 0 0 1	‘	1 4	3	RIGHT	R
A	65	41	130	0 1 0 0 0 0 0 1	“	1 4	3	RIGHT	R
—	193	C1	131	1 1 0 0 0 0 0 1	”	1 4	3	RIGHT	R
—	33	21	132	0 0 1 0 0 0 0 1	h	1 7	3	RIGHT	R
—	161	A1	133	1 0 1 0 0 0 0 1	■	1 4 7	3	RIGHT	R
a	97	61	134	0 1 1 0 0 0 0 1	x	1 4 7	3	RIGHT	R
B	225	E1	135	1 1 1 0 0 0 0 1	/	1 4 7	3	RIGHT	R
DC1	17	11	136	0 0 0 1 0 0 0 1	d	1 7	3	RIGHT	R
æ	145	91	137	1 0 0 1 0 0 0 1	DC1	1 7	3	RIGHT	R
Q	81	51	138	0 1 0 1 0 0 0 1	DC2	1 4 *	3	RIGHT	R
—	209	D1	139	1 1 0 1 0 0 0 1	DC3	1 4 *	3	RIGHT	R
F1	49	31	140	0 0 1 1 0 0 0 1	DC4	1 7 *	3	RIGHT	R
—	177	B1	141	1 0 1 1 0 0 0 1	{	1 7 *	3	RIGHT	R
—	113	71	142	0 1 1 1 0 0 0 1	Page Down	1 4 7 *	3	RIGHT	R
q	241	F1	143	1 1 1 1 0 0 0 1	Down	1 4 7 *	3	RIGHT	R

**F/G. 1J**

ASCII code	binary number	HEX code	numeric value	Reverse binary	Character code	Phone Code	KEYS pressed	Fingers	Finger Braille	
HT	9	09	144	0 0 0 0 1 0 0 1	‘	1	LEFT	3	LEFT	
€	137	89	145	1 0 0 0 1 0 0 1	”	1 4	3	RIGHT	R	
—	73	49	146	1 1 0 0 1 0 0 1	N	1 4	3	RIGHT	R	
F	201	C9	147	1 1 0 0 1 0 0 1	Ps	1 4	3	RIGHT	R	
—	41	29	148	0 0 1 0 1 0 0 1	H	1 7	3	RIGHT	R	
F	169	A9	149	1 0 1 0 1 0 0 1	DLE	1 7	3	RIGHT	R	
—	105	69	150	0 1 1 0 1 0 0 1	X	1 4 7	3	RIGHT	R	
—	233	E9	151	1 1 1 0 1 0 0 1	8	1 4 7	3	RIGHT	R	
EM	25	19	152	0 0 0 1 1 0 0 1	D	1	*	RIGHT	R	
O	153	99	153	1 0 0 1 1 0 0 1	—	1 4	*	RIGHT	R	
Y	89	59	154	0 1 0 1 1 0 0 1	—	1 4	*	RIGHT	R	
—	217	D9	155	1 1 0 1 1 0 0 1	—	1 4	*	RIGHT	R	
—	9	57	39	156	0 0 1 1 1 0 0 1	—	1 7 *	3	RIGHT	R
—	185	B9	157	1 0 1 1 1 0 0 1	—	1 4 7 *	3	RIGHT	R	
—	121	79	158	0 1 1 1 1 0 0 1	—	1 4 7 *	3	RIGHT	R	
—	249	F9	159	1 1 1 1 1 0 0 1	SUB	1 4 7 *	3	RIGHT	R	

**FIG. 1K**

ASCII code		hex code	binary number	numeric value	Character	Phone Code	KEYS pressed
binary	number	hex	binary	value	code	LEFT	RIGHT
ENQ	5	05	160	0 0 0 0 0 1 0 1	:	1 - - - -	9 - 3
a	133	85	161	0 1 0 0 0 1 0 1	;	1 4 - - -	9 - 3
E	69	45	162	0 1 0 0 0 1 0 1	h	1 4 - - -	9 - 3
+	197	C5	163	1 0 1 0 0 1 0 1	#	1 4 - - -	9 - 3
%	37	25	164	0 0 1 0 0 1 0 1	*	1 7 - - -	9 - 3
N	165	A5	165	1 0 1 0 1 0 1 0 1	0	1 7 - - -	9 - 3
e	101	65	166	0 1 1 0 0 1 0 1 0 1	B	1 7 - - -	9 - 3
o	229	E5	167	1 1 1 0 0 1 0 1 0 1	Y	1 7 - - -	9 - 3
NAK	21	15	168	0 0 0 1 0 1 0 1 0 1	#	1 7 - - -	9 - 3
o	149	95	169	1 0 0 1 0 1 0 1 0 1	*	1 7 - - -	9 - 3
U	85	55	170	0 1 0 1 0 1 0 1 0 1	0	1 4 - - -	9 - 3
F	213	D5	171	1 1 0 1 0 1 0 1 0 1	6	1 4 - - -	9 - 3
5	53	35	172	0 0 1 1 0 1 0 1 0 1	:	1 7 - - -	9 - 3
B5	181	B5	173	1 0 1 1 0 1 0 1 0 1	1	1 7 - - -	9 - 3
u	117	75	174	0 1 1 1 0 1 0 1 0 1	0	1 7 - - -	9 - 3
F5	175	F5	175	1 1 1 1 0 1 0 1 0 1	so	1 4 7 * -	9 - 3

**FIG. 1L**

ASCII code		hex code	binary number	numeric value	Character	Phone Code	KEYS pressed
binary	number	hex	binary	value	code	LEFT	RIGHT
CR	13	0D	176	0 0 0 0 1 1 0 1	"	1 - - -	# 9 - 3
i	141	8D	177	1 0 0 0 0 1 1 0 1	N	1 7 - - -	# 9 - 3
M	77	4D	178	0 1 0 0 0 1 1 0 1	Cruzeiro	1 4 - - -	# 9 - 3
=	205	CD	179	1 1 0 0 0 1 1 0 1	~	1 4 - - -	# 9 - 3
-	45	2D	180	0 0 1 0 0 1 1 0 1	FS	1 7 - - -	# 9 - 3
m	173	AD	181	1 0 1 0 1 1 0 1	~	1 7 - - -	# 9 - 3
o	109	6D	182	0 1 1 0 1 1 0 1	~	1 4 7 - -	# 9 - 3
GS	237	ED	183	1 1 1 0 1 1 0 1	A	1 4 7 - -	# 9 - 3
*	29	1D	184	0 0 0 1 1 1 0 1	@	1 - - -	# 9 - 3
1	167	9D	185	1 0 0 1 1 1 0 1	U	1 4 - - -	# 9 - 3
3	93	5D	186	0 1 0 1 1 1 0 1	void	1 4 - * -	# 9 - 3
l	221	DD	187	1 1 0 1 1 1 0 1	void	1 4 - * -	# 9 - 3
^	61	3D	188	0 0 1 1 1 1 0 1	ScrollLock	1 7 - - -	# 9 - 3
u	189	BD	189	1 0 1 1 1 1 0 1	Ó	1 7 - * -	# 9 - 3
1	125	7D	190	0 1 1 1 1 1 0 1	Si	1 4 7 * -	# 9 - 3
2	263	FD	191	1 1 1 1 1 1 0 1			

ASCII code	binary number	HEX code	numeric value	Character		KEYS pressed		Fingers		Finger Braille		
				LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
ETX	3	03	192	0 0 0 0 0 0 1 1	TAB	1	—	—	—	6 3	—	
â	131	83	193	1 0 0 0 0 0 1 1	q	1	4	—	—	6 3	R	
ç	67	43	194	0 1 0 0 0 0 1 1	k	1	4	—	—	6 3	M R	
ç	195	C3	195	1 1 0 0 0 0 1 1	#	1	4	—	—	6 3	M R	
#	35	23	196	0 0 1 0 0 0 1 1	‘	1	7	—	—	6 3	M R	
ü	163	A3	197	1 0 1 0 0 0 1 1	z	1	7	—	—	6 3	T	
ç	99	63	198	0 1 1 0 0 0 1 1	ü	1	4	7	—	6 3	R M	
c	227	E3	199	1 1 1 0 0 0 1 1	ü	1	4	7	—	6 3	M R	
π	13	19	200	0 0 1 0 0 1 1	ä	1	7	—	—	6 3	M R	
DC3	93	201	201	0 0 0 1 0 0 1 1	ç	1	—	*	—	6 3	T	
ö	147	93	202	0 0 0 1 0 0 1 1	ü	1	—	*	—	6 3	R M	
S	83	53	203	0 1 0 1 0 0 1 1	RS	1	4	*	—	6 3	M R	
L	211	D3	203	0 1 0 1 0 0 1 1	é	1	4	*	—	6 3	T M R	
3	51	33	204	0 0 1 1 0 0 1 1	Cursor	1	7	*	—	6 3	T M R	
—	—	179	B3	205	1 0 1 1 0 0 1 1	—	1	7	*	—	6 3	T M R
—	—	115	73	206	0 1 1 1 0 0 1 1	ö	1	4	*	—	6 3	T M R
S	243	F3	207	1 1 1 1 0 0 1 1	Right	1	4	*	—	6 3	T M R	

FIG. 1M

FIG. 1N

FIG. 10

FIG. 1P

Finger Braille		Right	
LEFT		R M I T	
		R	M
		I	T
Fingers		Right	
LEFT		I M R	
		I	M
		M	R
KEYS pressed		Right	
LEFT		J K L	
		J	K
		K	L
Phone Code		Right	
LEFT		# 9 6 3	
		#	9
		9	6
		6	3
Character		Right	
code		# 9 6 3	
	0	#	9
	1	9	6
	2	6	3
Reverse		Right	
binary		# 9 6 3	
0000	1111	#	9
0000	1111	9	6
0100	1111	6	3
1000	1111		
numeric		Right	
value		# 9 6 3	
240	1	#	9
241	0	9	6
242	1	6	3
243	0		
HEX		Right	
code		# 9 6 3	
0F	1	#	9
8F	0	9	6
4F	1	6	3
binary		Right	
number		# 9 6 3	
15	239	#	9
143	1	9	6
79	0	6	3
ASCII		Right	
code		# 9 6 3	
SI	US	#	9
A	1	9	6
O	2	6	3
U	3		
L	1F		
I	248		
7	249		
47	1		
175	9F		
»	244		
o	245		
111	AF		
6F	246		
EF	247		
EF	248		
EF	249		
EF	250		
EF	251		
EF	252		
EF	253		
EF	254		
EF	255		
EF	191		
EF	7F		
EF	255		
DEL	FF		

**FIG. 2**

- (a) press reporting
- (b) religious writing
- (c) scientific writing
- (d) general fiction
- (e) word average
- (f) Morse Code

(a) (b) (c) (d) (e) (f)

1	e	e	e	e	e	e
2	t	t	t	t	t	t
3	a	i	a	a	a	a
4	o	a	i	o	o	i
5	n	o	o	h	i	n
6	i	n	n	n	n	o
7	s	s	s	i	s	s
8	r	r	r	s	r	h
9	h	h	h	r	h	r
10	l	l	l	d	l	d
11	d	d	c	l	d	l
12	c	c	d	u	c	c
13	m	u	u	w	u	u
14	u	m	m	m	m	m
15	f	f	f	c	f	f
16	p	p	p	g	p	w
17	g	y	g	f	g	y
18	w	w	y	y	w	g
19	y	g	b	p	y	p
20	b	b	w	v	b	b
21	v	v	v	k	v	v
22	k	k	k	x	k	k
23	j	x	x	j	x	q
24	x	j	q	x	j	j
25	q	q	j	z	q	x
26	z	z	z	q	z	z

FIG. 3A

FIG. 3A

Character code		Phone Code		KEYS pressed		Fingers		Finger Braille	
Reverse binary	Character	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
0 0 0 0 0 0 0 0 0 0	Space BkSp	1 4 7	#	-	-	-	-	-	-
0 0 0 1 0 0 0 0 0 0	a	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 0	b	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	c	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	d	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	e	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	f	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	g	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	h	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	i	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	j	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	k	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	l	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	m	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	n	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	o	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	p	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	q	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	r	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	s	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	t	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	u	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	v	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	w	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	x	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	y	-	*	-	-	-	-	-	-
0 0 0 1 0 0 0 1 0 1	z	-	*	-	-	-	-	-	-

FIG. 3B

FIG. 3C

FIG. 3D

FIG. 3E

Reverse binary	Character		Phone Code		KEYS pressed		Fingers		Finger Braille		
	code	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
1 1 1 -	1 0 0 0	1 4 7 -	#	9 - -	S D F -	>	J - -	R M ! -	I - -	- - I	- ! M R
1 1 1 -	0 1 0 0	1 4 7 -	-	6 - -	S D F -	-	K - -	R M ! -	- I -	- M	- ! M R
1 1 1 -	0 0 1 0	1 4 7 -	-	3 - -	S D F -	-	L - -	R M ! -	- M -	R	- ! M R
1 1 1 -	0 0 0 1	1 4 7 -	-	- - -	S D F -	-	-	R M ! -	- - -	-	-

FIG. 3F

Reverse binary	Character		Phone Code		KEYS pressed		Fingers		Finger Braille		
	code	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
0 0 0 -	0	1 -	1	# 9 6 3 -	S - -	S - -	I - -	R M ! -	R M ! -	- - R	- - R
1 0 0 -	1	1 -	1	# 9 6 3 -	D - -	D - -	I - -	R M ! -	R M ! -	- - M	- - M
0 1 0 -	2	1 -	1	# 9 6 3 -	S D - -	S D - -	I - -	R M ! -	R M ! -	- - M	- - M
1 0 1 -	3	1 -	1	# 9 6 3 -	F - -	F - -	I - -	R M ! -	R M ! -	- - R	- - R
0 1 1 -	4	1 -	1	# 9 6 3 -	S D F - -	S D F - -	I - -	R M ! -	R M ! -	- - I	- - I
1 0 0 1	5	1 -	1	# 9 6 3 -	D F - -	D F - -	I - -	R M ! -	R M ! -	- - M	- - M
0 1 1 1	6	1 -	1	# 9 6 3 -	S D F -	S D F -	I - -	R M ! -	R M ! -	- - R	- - R
1 0 1 1	7	1 -	1	# 9 6 3 -	D F -	D F -	I - -	R M ! -	R M ! -	- - I	- - I
0 1 0 1	8	1 -	1	# 9 6 3 -	S D F -	S D F -	I - -	R M ! -	R M ! -	- - M	- - M
1 0 0 1	9	1 -	1	# 9 6 3 -	D F -	D F -	I - -	R M ! -	R M ! -	- - R	- - R

Character	Phone Code	KEYS pressed		Fingers		Finger Braille	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
0	0	4	*	#	9	6	3
1	1	1	*	#	9	6	3
2	2	1	*	#	9	6	3
3	3	1	*	#	9	6	3
4	4	1	*	#	9	6	3
5	5	1	*	#	9	6	3
6	6	1	*	#	9	6	3
7	7	1	*	#	9	6	3
8	8	1	*	#	9	6	3
9	9	1	*	#	9	6	3
+	+	x	-	-	-	-	-
*	*	-	-	-	-	-	-
=	=	-	-	-	-	-	-

Reverse binary	Phone Code		KEYS pressed		Fingers		Finger Braille	
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
0	0	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1
2	0	1	1	1	1	1	1	1
3	1	0	1	1	1	1	1	1
4	0	1	1	1	1	1	1	1
5	1	0	1	1	1	1	1	1
6	0	1	1	1	1	1	1	1
7	1	0	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1
9	1	0	1	1	1	1	1	1

FIG. 3G

FIG. 3H

FIG. 11

ASCII code		binary number	Reverse binary	Character code	KEYs dressed	Fingers LEFT	Fingers RIGHT	Finger Braille LEFT	Finger Braille RIGHT
SOH	01	128	0 0 0 0 0 0 0 0 1	1	LEFT	3	3	— R	— R
Ü	81	129	1 0 0 0 0 0 0 0 1	t	LEFT	3	3	— M	— M
A	65	41	1 1 0 0 0 0 0 0 1	n	LEFT	3	3	— R	— R
_	193	C1	1 1 1 0 0 0 0 0 1	g	LEFT	3	3	— R	— R
!	33	21	1 1 1 1 0 0 0 0 1	h	LEFT	3	3	— R	— R
!	161	A1	1 1 1 1 1 0 0 0 1	■	LEFT	3	3	— R	— R
a	97	61	1 1 1 1 1 1 0 0 1	x	LEFT	3	3	— R	— R
g	97	61	0 1 1 1 1 1 0 0 1	z	LEFT	3	3	— R	— R
§	225	E1	1 1 1 1 1 1 1 0 1	/	LEFT	3	3	— R	— R
DC1	17	11	1 1 1 1 1 1 1 1 0	d	LEFT	3	3	— R	— R
§	145	91	0 0 0 1 1 1 1 1 1	DC1	RIGHT	3	3	— T	— T
Q	81	51	0 1 0 0 1 1 1 1 1	DC2	RIGHT	3	3	— R	— T
¶	209	D1	0 1 0 1 1 1 1 1 1	DC3	RIGHT	3	3	— R	— T
T	49	31	0 0 1 1 1 1 1 1 1	DC4	RIGHT	3	3	— R	— T
¶	177	B1	1 0 1 1 1 1 1 1 1	{	RIGHT	3	3	— R	— T
q	113	71	0 1 1 1 1 1 1 1 1	Page Down	RIGHT	3	3	— R	— T
F1	143	11	0 0 1 1 1 1 1 1 1	Down	RIGHT	3	3	— R	— T

FIG. 1J

**FIG. 3K**

<u>Reverse binary</u>	<u>Character code</u>	<u>Phone Code</u>	<u>KEYS pressed</u>	<u>Fingers</u>	<u>Finger Braille</u>
	<u>LEFT</u>	<u>RIGHT</u>	<u>LEFT</u>	<u>RIGHT</u>	<u>LEFT</u>
0 0 0 0 0 1 1 1	<u>Enter</u>	— 9 6 3	— — — J K	— — — ! M R	R M ! — — —
0 1 1 1 1 0 0 0	<u>PgUp</u>	— 4 7 * # — — 3	— D F S ! — — L	— M ! T I — — R	R — — I T ! M —
0 1 1 1 1 0 0 0 1	<u>PgDn</u>	— 4 7 * # — — 3	— D F S ! — — L	— M ! T I — — R	R — — I T ! M —
1 1 1 1 1 1 0 0 0	<u>Up</u>	1 4 7 * # — — 3	S D F S ! — — L	R M ! T I — — R	R — — I T ! M R
1 1 1 1 1 1 0 0 0 1	<u>Dn</u>	1 4 7 * # — — 3	S D F S ! — — L	R M ! T I — — R	R — — I T ! M R
1 1 1 1 1 1 0 1 0	<u>Left</u>	1 4 7 * # 9 — 6 3	S D F S ! — J K L	R M ! T I ! — M R	R M ! I T ! M R
1 1 1 1 1 1 0 1 1	<u>Right</u>	1 4 7 * # — 6 3	S D F S ! — J K L	R M ! T I ! — M R	R M ! I T ! M R
1 1 1 1 1 1 0 1 1 0	<u>Home</u>	1 4 7 * # 9 6 — 3	S D F S ! — J K L	R M ! T I ! M R	M ! — T I M R
1 1 1 1 1 1 0 1 1 0 1	<u>End</u>	1 4 7 * # — 6 3	S D F S ! — J K L	R M ! T I — R	R — — I T ! M R
0 0 0 0 0 0 0 1 1	<u>Tab</u>	— — — — 6 3	— — — — K L	— — — — M R	R M — — — —
1 1 1 1 1 1 0 1 0 0	<u>Ctrl</u>	1 4 7 * # 9 — 6 3	S D F S ! — J K L	R M ! T I ! — M R	R M ! T I M R
1 1 1 1 1 1 0 1 0 1	<u>Alt</u>	1 4 7 * # — 6 3	S D F S ! — J K L	R M ! T I — R	R — I T I M R
1 1 1 1 1 1 0 1 0 1 1	<u>Shift In</u>	1 4 7 * # 9 — 3	S D F S ! — J L	R M ! T I ! — R	R — I T I M R
1 1 1 1 1 1 0 1 0 1 0 1	<u>Shift Out</u>	1 4 7 * # — 9 — 3	S D F S ! — J L	R M ! T I — R	R — I T I M R
1 1 1 1 1 1 0 1 1 1	<u>Delete</u>	1 4 7 * # 9 6 — 3	S D F S ! — J K L	R M ! T I — R	R M ! T I M R
1 1 1 1 1 1 1 1 1	<u>Insert</u>	1 4 7 * # — 9 6 — 3	S D F S ! — J K L	R M ! T I — R	R M ! T I M R

FIG. 3L

Character code	Phone Code		KEYs pressed		Fingers		Finger Braille	
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
8	1 4 7	#	3	3	S D F	S	R	R
$\pi$	1	*	3	3	S	S	R	R
$\frac{1}{2}$	4	*	3	3	D	S	R	R
0	7	*	3	3	F	S	R	R
1 @	1	*	9	6	V	V	M	M
2 A	1	*	9	6	K	K	M	M
3 S	1	*	9	6	K	K	M	M
4 L	4	7	6	3	D	F	R	M
5 E	4	7	6	3	D	F	R	M

**FIG. 4A**

a b c d e f g h i j k l m n

o p q r s t u v w x y z

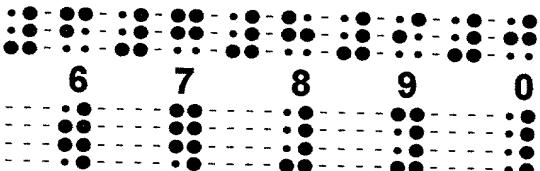
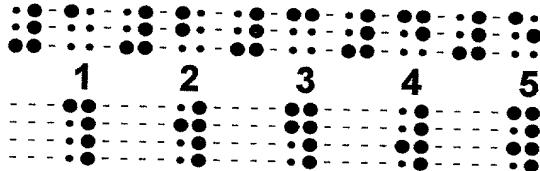
A B C D E F G H

I J K L M N

O P Q R S T

U V W X Y Z

**FIG. 4B**



**FIG. 4C**

